COLLEGE OF AGRICULTURE
ANNAMACHARYA UNIVERSITY

Estd. Under Andhra Pradesh Private Universities (Establishment and Regulation) Act, 2016
RAJAMPET, Annamayya District, AP – 516126, INDIA

MEETING MINUTES
OF
BOARD OF STUDIES

ACADEMIC YEAR: 2024-25

Date & Time: 24.01.2025 & 2:30 PM

Venue: Conference Hall, Main Block

COLLEGE OF AGRICULTURE
ANNAMACHARYA UNIVERSITY

Estd. Under Andhra Pradesh Private Universities (Establishment and Regulation) Act, 2016
RAJAMPET, Annamayya District, AP – 516126, INDIA

Date: 30.01.2025

Minutes of the meeting of First Board of Studies of College of Agriculture, Annamacharya University, Rajampet (through virtual mode) held at 2.30 PM on Friday, 24th January 2025.

Members Attended:

S.No.	Name of the member	Designation and Address	Role in BoS
1.	Dr. D. Lokanadha Reddy	Dean College of Agriculture Annamacharya University Rajampet	Chairman
2.	Dr. P. Narayana Reddy	Dean School of Agricultural Sciences Anurag University, Hyderabad	Subject Expert - Member
3.	Dr. Gudipati Venkateshwarlu	Former Joint Director, NAARM Hyderabad & Asst. Director General, ICAR, New Delhi.	Subject Expert - Member
4.	Dr. R.P. Vasanthi	Former Professor & Univ. Head Dept of Genetics and Plant Breeding ANGRAU	Subject Expert - Member
5.	Dr. Eshwarayya Ramireddy	Associate Professor Dept. of Biology Indian Institute of Science Education and Research (IISER), Tirupati.	Subject Expert - Member
6.	Sri Kalle Sreenivasulu	Managing Director Vikas BioSciences Pvt. Ltd Hyderabad.	Industry Representative
7.	Sri A. Venkata Reddy	Former Chairman Andhra Pragathi Grameena Bank Kadapa.	Industry Representative

8.	Dr. J. Karpagam	Assistant Professor Dept. of Soil Science and Agricultural Chemistry (SSAC) College of Agriculture Annamacharya University Rajampet.	Faculty - Member
9.	Dr. B. Sukrutha	Assistant Professor Dept. of Genetics and Plant Breeding (GPB) College of Agriculture Annamacharya University Rajampet	Faculty - Member
10.	Mrs. D. Divyasree	Assistant Professor Dept. of Agronomy College of Agriculture Annamacharya University Rajampet.	Faculty - Member
11.	Dr. E. Usha Rani	Assistant Professor Dept. of Crop Physiology College of Agriculture Annamacharya University Rajampet.	Faculty - Member
12.	Ms. K. Sruthi	Assistant Professor Dept. of Horticulture College of Agriculture Annamacharya University Rajampet.	Faculty - Member

Members absent: Nil

Minutes of the Meeting:

With welcome note by Dean and Chairman of Board of Studies, the 1st Board of Studies meeting for the College of Agriculture, Annamacharya University was started on 24.01.2025 from 2.30. pm. In the meeting, two agenda points were placed:

1. Agenda regarding implementation of ICAR Sixth Deans' Committee Report for four years B.Sc. (Hons.) Agriculture programme in College of Agriculture, Annamacharya University from the Academic year 2024-25
2. Agenda regarding rules and regulations of the College of Agriculture, Annamacharya University from the Academic year 2024-25

Agenda 1:

Dr. D. Lokanadha Reddy (Chairman of Board of Studies), Dean, College of Agriculture, Annamacharya University presented the first agenda point including the course outlines (syllabus) as per ICAR and the moderations proposed, inviting suggestions from the committee members.

Dr. Gudipati Venkateshwarlu emphasized the need to ensure adequate resources for student internships and also to introduce more number of skill enhancement courses and identifying potential contacts for internship placements. Dr. P. Narayana Reddy suggested to adopt the internship evaluation proforma from the 5th Deans' Committee as a baseline and incorporating relevant updates to suit to Sixth Deans' Committee.

While participating in discussions, Dr. Ramireddy and Dr. Vasanthi advised to cover all the crops mentioned in the Deans' report with more emphasis on regional crops.

Resolution:

After thorough discussions and deliberations, the members of BoS resolved and approved to adopt ICAR Sixth Deans' Committee Report recommendations including the moderations proposed for the syllabus from the academic year 2024-25 in College of Agriculture, Annamacharya University.

Agenda 2:

The Chairman of Board of Studies opened the discussion on second agenda point which was focused on the rules and regulations for the College of Agriculture.

Resolution:

The committee thoroughly discussed and approved the proposed rules and regulations from the academic year 2024-25.

During further discussions, Dr. Gudipati Venkateshwarlu suggested to refer ICAR Model Act and ensure compliance with accreditation requirements. He stressed the need to meet faculty and infrastructure requirements, including provisions for adequate land and appropriate student-to-faculty ratios.

The meeting concluded with vote of thanks by Dr. Lokanadha Reddy, who expressed gratitude to all committee members for their valuable inputs and active participation. The successful deliberation and approvals marked a significant step toward strengthening the academic and administrative framework of the College of Agriculture.

30/1/2025

Chairman

DEAN
COLLEGE OF AGRICULTURE
ANNAMACHARYA UNIVERSITY
RAJAMPET, ANNAMAYYA DIST, A.P.

Attendance sheet:

S.No.	Name of the member	Designation and Address	Role in BoS	Signature with Date
1.	Dr. D. Lokanadha Reddy	Dean College of Agriculture Annamacharya University Rajampet	Chairman	Attended Online
2.	Dr. P. Narayana Reddy	Dean School of Agricultural Sciences Anurag University, Hyderabad	Subject Expert - Member	Attended Online
3.	Dr. Gudipati Venkateshwarlu	Former Joint Director, NAARM Hyderabad & Asst. Director General, ICAR, New Delhi.	Subject Expert - Member	Attended Online
4.	Dr. R.P. Vasanthi	Former Professor & Univ. Head Dept of Genetics and Plant Breeding ANGRAU	Subject Expert - Member	Attended Online
5.	Dr. Eshwarayya Ramireddy	Associate Professor Dept. of Biology Indian Institute of Science Education and Research (IISER), Tirupati.	Subject Expert - Member	Attended Online
6.	Sri Kalle Sreenivasulu	Managing Director Vikas BioSciences Pvt. Ltd Hyderabad.	Industry Representative	Attended Online
7.	Sri A. Venkata Reddy	Former Chairman Andhra Pragathi Grameena Bank Kadapa.	Industry Representative	Attended Online
8.	Dr. J. Karpagam	Assistant Professor Dept. of Soil Science and Agricultural Chemistry (SSAC) College of Agriculture Annamacharya University Rajampet.	Faculty - Member	Attended Online

9.	Dr. B. Sukrutha	Assistant Professor Dept. of Genetics and Plant Breeding (GPB) College of Agriculture Annamacharya University Rajampet	Faculty - Member	Attended Online
10.	Mrs. D. Divyasree	Assistant Professor Dept. of Agronomy College of Agriculture Annamacharya University Rajampet.	Faculty - Member	Attended Online
11.	Dr. E. Usha Rani	Assistant Professor Dept. of Crop Physiology College of Agriculture Annamacharya University Rajampet.	Faculty - Member	Attended Online
12.	Ms. K. Sruthi	Assistant Professor Dept. of Horticulture College of Agriculture Annamacharya University Rajampet.	Faculty - Member	Attended Online

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AGENDA POINTS FOR MEETING
OF
BOARD OF STUDIES

ACADEMIC YEAR: 2024-25

Date & Time: 24.01.2025 & 2:30 PM

Venue: Conference Hall, Main Block

1st MEETING OF THE BOARD OF STUDIES OF FACULTY OF AGRICULTURE

NOTE ON ITEM NO. (1) IN THE AGENDA

Sub: ANNAMACHARYA UNIVERSITY – Agriculture Science – ICAR Sixth Deans' Committee report communicated to Agricultural Universities/ Institutions – Implementation from Academic Year 2024-25 – Regarding

Ref: ICAR — Sixth Deans' Committee report communicated to all Agricultural Universities/ Institutions.

It is to submit that, Dr. Himanshu Pathak, Secretary (DARE) & Director General (ICAR) while communicating the ICAR — Sixth Deans' Committee report to all the Agricultural Universities/ Institutions wide reference above informed that, The Indian Council of Agricultural Research (ICAR) has played the vital role in transforming the agricultural higher education to produce highly skilled human resource enriched with advanced knowledge and capability to fulfil the agricultural needs of the nation. An urgent need is felt to revise and align the agricultural education system in the country in line with National Education Policy (NEP-2020) norms to build a competent human resource for undertaking education, research and extension activities at diversified, ecologically sustainable and economically viable agricultural and allied sectors with integration of technology and innovation. The Indian Council of Agricultural Research (ICAR) has been regularly revised curricula through various Deans' Committees, with five such committees already having updated the academic standards over the years and are in vogue.

The ICAR constituted the Sixth Deans' Committee on August 17, 2021 with the mandate to revamp and restructure the course curriculum, credit framework and academic standards for agricultural education. This initiative aims to standardize uniform academic structures across the country, both in public and private institutions offering undergraduate (UG) programs in agriculture and allied sciences. The Sixth Deans' Committee has prudently with congruence of excellence and relevance, revised the undergraduate course curriculum, course contents, degree nomenclature including entry-exit options recommending the reforms in admission including lateral entry options and examinations.

The key features of the report include curriculum revision, modification of academic structure of degrees/diplomas/certificates, the introduction of an Academic Bank of Credits

(ABC), a multiple entry-and-exit system, flexible course selection, introduction of skill enhancement courses, making internship as part of UG-certificate, UG-diploma and degree requirements and the incorporation of industry-oriented internships as part of UG requirements. A course entitled "*Deeksharambh*" has been introduced in the first semester for a duration of two weeks to acquaint students to learn from each other's life experiences, traditional Values and imbibe human values.

Common courses have been proposed developing better communication skills and Personality development as well as to have a broader view of agriculture and allied sectors. New age courses like artificial intelligence, robotics, machine learning, etc. have been incorporated into the course curricula for preparing student in the era of Digital Technology. Innovative teaching approaches such as online, open distance learning (ODL) and blended learning have been emphasized to merge traditional and non-traditional educational methods. Progressive assessment of the students is part of course curriculum and the focus is enhancing their critical thinking and creativity rather than rote reading. The continuous updating of course curricula based on recent technological advancements ensures that students remain at the cutting edge of the agricultural knowledge.

The ICAR shall strive to implement all the recommendations of the report. It will help to achieve mission to make agricultural education more accessible, affordable, relevant, practical and professional pursuing national and international quality education standards.

The highlights of the Course Curricula for Undergraduate programme in Agriculture
UG Certificate in Agriculture, UG-Diploma in Agriculture and B.Sc. (Hons.) Agriculture

- The B. Sc. (Hons.) Agriculture program will be of 177 credits, which will have 167 credits offered by the parent university and 10 credits of online courses taken by the student as per choice in consultation with university/HAEIs.

- After the admission in the college, the students will register for the Foundation programme of 2 weeks duration in the 1st semester. A course entitled *Deeksharambh* (0+2) (Non-gradial) will be offered at the start of first semester for two weeks duration. *Deeksharambh* (Introduction- cum-Foundation Course) will create a platform for students to learn from each other's life experiences, help for cultural integration of students from different backgrounds, know about the operational framework of academic process in the university, instilling life and social skills, social awareness, ethics and values, team work, leadership, creativity etc.

It will also help in identifying the traditional values and indigenous cultures along with diverse potentialities both in indigenous and developed scenario. There will be sessions by alumni, business leaders, outstanding achievers in related fields, people with inspiring life experiences as well as the university academic and research managers.

- The first year of the course program comprises skill development courses along with other fundamental courses of agricultural science. After satisfactory completion of 42 credits of courses in two semesters of 1st year and subsequent satisfactory completion of 10 credits (10 weeks) of industry/ institute training/ internship, the student will become eligible for the award of UG-Certificate in Agriculture on exit. The students continuing the study further, would not have to attend the internship after 1st year.

- The second year has been designed with the skill development courses, basic courses as well as fundamental courses in agriculture with adequate theory and practical components, enabling the student to get acquainted with the basic principles and applications of agricultural sciences. After satisfactory completion of the courses (84 credits) during first two years and subsequent satisfactory completion of 10 credits (10 weeks) of internship, the student will become eligible for the award of UG-Diploma in Agriculture on exit. The students continuing the study further, would not have to attend the internship after 2nd year.

- During the 5th semester, the students will have a study tour of 10-12 days duration, which will be counted as 2 credits (Non-gradial).

- The third- and fourth- year courses have been designed to impart specialized knowledge to the students in the major disciplines. During the 7th semester, the students will adequately select 20 credits from a basket of elective courses, each course being of 4 credits giving an opportunity to them to gain advanced knowledge in frontier areas of agricultural science. The Universities will have flexibility to include more courses as Electives depending on specific needs and situational variations. The objective is to enable the student to acquire deeper understanding in any particular field.

  In the 8th semester of the course the major focus has been on strengthening of the knowledge and skill for developing confidence of the students to take entrepreneurship as their future career. For this they will undergo an advanced skill enhancement through Student READY: RAWE/ Industrial Attachment /Experiential Learning / Hands-on Training/ Project Work / Internship. A student will select option/s on choice to complete the degree and pursue future career with 20 credits. Each student will be attached to a mentor either

from the institution or from an organization/ industry. A university or a college will have the freedom to select the options as referred above.

- The core and elective courses can also be modified maximum up to 30% with approval from competent authority of the University.

- The students will take a minimum of 10 credits of online courses during four years as a partial requirement for the B.Sc. (Hons) Agriculture program. The indicative list of courses has been provided; however, online courses can be from any field such as Agriculture and allied sciences, Basic Sciences, Humanities, Psychology, Anthropology, Economics, Business Management, Languages including foreign language, Communication skills/ Music, etc. and can be taken from NPTEL, Moo KIT, edX, Coursera, SWAYAM or any other such reputed portal. The objective is to allow the students to groom their passion or strengthen their knowledge and competency in any field beyond prescribed courses. These online courses will be non-gradial and separate certificates would be issued by institute/organization offering the courses. However, the university/ institute will keep a record of such courses registered and completed by each student and indicate the title of the (successfully completed) courses in final transcript issued to the student. A student must submit the list of online courses along with the content he intends to undertake to the Dean/Assoc. Dean/Principal of the college for a permission and records.

- At each stage of exit (UG-certificate/ UG-Diploma and B.Sc. (Hons) Agriculture, the students are expected to acquire competency and confidence to get jobs, to face the real challenges in varied jobs and research, as well as to start their own enterprise. The social skills acquired by the students will also make the students more empathetic towards the society and social issues.

- The credits (and contact hours) have been designed in such a way that along with classroom teaching, the students will take up NSS/ NCC and Physical Education, Yoga, etc. in the first year as the case may be. Further a balance has been made by inclusion of common courses, core courses in basic and applied areas, skill development courses, elective courses in advanced areas, online courses of choice, options for entrepreneurship and skill development to pursue future career. This will increase their acquaintance with the social/ technical problems, improve their analytical ability of the issues/ challenges and enhance their social responsibility.

Summary of credit distributions among different categories of courses (Credit hours) as per ICAR Sixth Deans' Committee report is furnished under Annexure I

Abstract of the Courses for B.Sc. (Hons) Agriculture programme (As per ICAR – Sixth Deans' Committee)

Name of the Course	**No. of courses**	**Total Credit hours**	**Syllabus**
Deekshaarambh	1	Non -Gradial	Objectives & Day wise schedule (Two weeks)
Common Courses	9	23	Objective, Theory, Practical & suggested readings (Lecture wise details not mentioned)
Core Courses	38	92	
Elective Courses	20	20	
Skill Enhancement	17	12	Syllabus not given
Student READY		20	
Other courses		Non-gradial	
Total Offline		167	
Online Courses		10*	From SWAYAM, Diksha, NPTEL, mooKIT, edX, Coursera, etc., portal
Grand Total		167+10*	

As per regulation 4.14 Moderation of courses at institution level

The following flexibility is allowed to the institutions for offering the courses.

S.No.	Flexibility allowed	University remarks
A	Maximum 30% modification in the syllabus for any individual subject. It is recommended the HAEI should consider updating the course curricula around 5% every year. That would enable addition of new contents replacing obsolete/ old contents in the courses.	
B	Formulation / addition / change of Skill Enhancement modules as per needs / facilities available.	
C	Interchange of courses in between semesters within a year (but no change of course shall be normally allowed in between years).	Essentials of Plant Biochemistry -3(2+1) from second semester to first semester of third year with credit hours of 2 (1+1)
D	Change of maximum two core courses (If any course is removed from the list of core course, it should be kept as elective), However, the total credit hours should not be lower than the prescribed.	l) Third year first semester course titled Ornamental Crops, MAPs and Landscaping — 2(1+1) is deleted and kept as Elective course. 2) Introductory Mathematics 1(1+0) Non-gradial course is converted as Gradial course with 1(0+1) credits. 3) Addition of new Course titled Insect Ecology and Concepts of Integrated Pest Management -2(1+1) during second year first semester. 4) Addition of new course titled Principles of Plant Pathology – 2(1+1) during second year second semester.
E	Inclusion of any number of courses as Electives and freedom to offer the Elective courses.	Third year first semester course titled Ornamental Crops, MAPs and Landscaping — 2(1+1) is deleted and kept as Elective course.
F	Modification/ change of credit hours for any four courses (however, total credit hours should not differ by more than four).	• Essentials of Plant Biochemistry – 3(2+1) changed with credit hours of 2(1+1) of the third year. • Credit hours of third year first Semester course titled Pest management in crops

		and stored grains modified from 3(2+1) to Insect Pest management in field crops -2(1+1) for third year first Semester and Insect Pest management of Horticultural crops and stored grains -2(1+1) for third year second semester. • Credit hours of third year first Semester Course titled Diseases of Field & Horticultural crops & their management modified from 3(2+1) to Diseases of Field crops & their management 2(1+1) for third year first Semester and Diseases of Horticultural crops & their management -2(1+1) for third year second semester. • Principles of Agricultural Economics and Farm Management — 2(2+0) changed with credit hours of 3(2+1) of the second year. • Crop Production Technology-Il (Rabi Crops) 3(2+1) changed with credit hours of 2(1+1) of the second year. However, the total credit hours are not exceeding by more than four (4) i.e., 171.
G	In case the skill enhancement/ internship programs are conducted in collaboration with industry/ other organizations/ agencies, students may be expected to remain out of the campus for a certain period within semester. In that situation, the timetable should be so adjusted for the remaining part of the net instruction days (NIDs) of the corresponding semester, that each credit has at least 15 contact hours.	

The semester wise course and credit allocation as per the moderation of courses by university is enclosed in Annexure II.

Summary of credit distributions among different categories of courses (Credit hours) after moderation of courses is furnished under Annexure — III.

As per regulation 4.21 Examination and Evaluation system

There will be a uniform system of the evaluation and grading to be followed with Grade point average (GPA) system. The following pattern of examination is recommended.

	External theory	Internal theory (Midterm)	Quiz / progressive assessment	Final Practicals	Total
For courses having both theory and practical components	40%	20%	20%	20%	100%
For courses with theory only	50%	30%	20%	-	100%
Courses with practical only		30%	20%	50% (Internal)	100%

For the external theory examinations, the question paper will be obtained from external experts. The HoDs of the respective departments will ensure due coverage of the syllabus with the provision of moderation, if necessary. Paper evaluation to be done by a faculty other than the course instructor(s).

The external theory examinations should be of 2 to 2.5 hours duration and the mid-term examinations should be normally of 1-hour duration. The format of assessment and duration of quizzes/ progressive assessment duration will depend upon the course teacher.

- Internal practical examination to be conducted by the course instructor and one faculty nominated by the HoD of the concerned department.
- The evaluation of the skill enhancement courses will be done as courses with practical only.

Usually for any subject, there will be two quizzes within the semester, one before the mid term and one after. There will be provision of corrections in between, i.e. the students scoring lower than 50% marks in any one quiz can opt for appearing for a third quiz to improve their grades. The assessment of the students through quizzes should focus on their critical thinking and creativity rather than rote reading.

The quiz and progressive assessment can also be considered in form of group assignments (which should encourage creativity, critical thinking and problem-solving attitude).

The evaluation of internship will be done both by the parent institute and the host industry/ organization. It should be 50% weightage for each. The student shall submit a report to the parent institute and present the learnings before the other students and faculty after the internship programme. The format of evaluation may be developed by the parent institute.

The online/MOOC courses, successfully completed by the student, will be indicated in the transcript with 'Satisfactory' remark.

The ICAR had made **mandatory** to all the Agricultural Universities/institutes for implementation of the recommendations of the Sixth Deans' committee for accreditation of academic programs and academic institutions by the National Agricultural Education Accreditation Board (NAEAB).

In view of the above, the matter is placed before the meeting of the Board of Studies- Faculty of Agriculture for discussion and decision thereon.

Dean

Summary of credit distributions among different categories of courses (Credit hours) as per ICAR Sixth Deans' Committee report is furnished under **Annexure I**

Semester	Core Courses (Major and minor)	Common Courses			Skill Enhancement courses (SEC)	Internship project/ Student READY	Total Credits	Non-gradial	Internship	Online course/ MOOC
		Multi-disciplinary courses (MDC)	Value Added courses (VAC)	Ability Enhancement courses (AEC)						
I	11	$3^{(3)}$		$1^{(4)} + 2^{(5)}$	4	--	21	$2^{(1)+} 1^{(2)}$		
II	11	--	$3^{(6)}$	$1^{(4)} + 2^{(5)}$	4	--	21		$10^{(13)}$	
III	14	$3^{(8)}$	--	$2^{(9)}$	2	--	21			
IV	16	--	$3^{(10)}$	--	2	--	21		$10^{(14)}$	
V	19	$3^{(11)}$	--	--	--	--	22	$2^{(12)}$		$10^{(15)}$
VI	21	--	--	--	--	--	21			
VII	20*	--	--	--	--	--	20			
VIII		--	--	--	--	20	20			
Total	**112(92+20*)**	**9**	**6**	**8**	**12**	**20**	**167**	**4**	**20**	**10**

***Elective Courses**

(1) Deeksharambh (Induction-cum-Foundation Course) of 2 credits (2 weeks duration)
(2) Remedial Course: Mathematics of 1 credit
(3) Farming based Livelihood systems
(4) NCC/NSS
(5) Communication Skills
(6) Environmental Studies and Disaster management
(7) Personality development
(8) Entrepreneurship Development and Business Management
(9) Physical Education, First Aid and Yoga Practices
(10) Agri informatics
(11) Agricultural Marketing & Trade
(12) Study tour (10-14 days)
(13) Only for those opting for an exit with UG-Certificate
(14) Only for those opting for an exit with UG-Diploma
(15) Online course: student will make his own planning and execution of online courses with intimation to Dean

Annexure -II

ACADEMIC PROGRAMME

Semester wise course and credits allocation as per the moderation of Courses by University

S.No	Course Title	Proposed Course Number	Credit Hours T+P	Semester	Department	Course Category	Page No.	Remarks
1	Deeksharambh (induction cum foundation course)	ICFC	2 Weeks (NG) Non-gradial	I-I	Dean & Faculty	Induction cum foundation course	52	
2	Skill Enhancement course-I*	AU-SEC-I	2(0+2)	I-I	Genetics and Plant Breeding	Skill Enhancement course	127	
3	Skill Enhancement course-II*	AU-SEC-II	2(0+2)	I-I	Horticulture	Skill Enhancement course	128	
4	Communication skills	AU-AEXT-191	2(1+1)	I-I	Extension Education	Common Course	52	
5	Farming based livelihood systems	AU-AGRO-100	3(2+1)	I-I	Agronomy	Common Course	53	
6	Rural Sociology and Educational Psychology	AU-AEXT-192	2(2+0)	I-I	Extension Education	Core Course	55	
7	Fundamentals of Agronomy	AU-AGRO-101	3(2+1)	I-I	Agronomy	Core Course	56	
8	Fundamentals of Soil Science	AU-SSAC-121	3(2+1)	I-I	Soil Science	Core Course	57	
9	Fundamentals of Horticulture	AU-HORT-181	3(2+1)	I-I	Horticulture	Core Course	58	
10	National service Scheme (NSSI) /National Cadet corps (NCC-I)	AU-NCC-1/NSS-1	1(0+1)	I-I	Students Welfare	Core Course	58	
11	Introductory Mathematics	AU-STAM-101	1(0+1)	I-I	Agricultural Statistics	Other Course	60	
			22(11+11)	**33 hours**				
***1-Hour Theory, *2-Hour Practicals**								

S.No	Course Title	Proposed Course Number	Credit Hours T+P	Semester	Department	Course Category	Page No.	Remarks
12	Skill Enhancement Course-III*	AU-SEC-III	2(0+2)	I-II		Skill Enhancement course	127	
13	Skill Enhancement Course-IV*	AU-SEC-IV	2(0+2)	I-II		Skill Enhancement course	127	
14	Personality Development	AU-AEXT-193	2(1+1)	I-II	Extension Education	Common Course	60	
15	Enviornmental Studies and Disaster Management	AU-AGMT-101	3(2+1)	I-II	Agronomy	Common Course	61	
16	Soil Fertility Management	AU-SSAC-122	3(2+1)	I-II	Soil Science	Core Course	62	
17	Fundamentals of Entomology	AU-ENTO-131	3(2+1)	I-II	Entomology	Core Course	63	
18	Livestock and poultry Management	AU-LSPM-101	2(1+1)	I-II	Animal Husbandry	Core Course	64	
19	Fundamentals of Plant Pathology	AU-PATH-171	3(2+1)	I-II	Plant pathology	Core Course	65	
20	NCC-II/NSS-II	AU-NCC-II/NSS-II	1(0+1)	I-II	Students Welfare	Common Course	58	
			21(10+11)	**32 hours**				
***1-Hour Theory, *2-Hour Practicals**								

S.No	Course Title	Proposed Course Number	Credit Hours T+P	Semester	Department	Course Category	Page No.	Remarks
21	Skill Enhancement Course-V*	AU-SEC-V	2(0+2)	II-I		Skill Enhancement course	127	
22	Entrepreneurship Development and Business communication	AU-AEXT-291	3(2+1)	II-I	Agricultural Extension	Common Course	67	
23	Physical Education, First Aid, Yoga Practices and Meditation	AU-COCA-201	2(0+2)	II-I	Students Welfare	Common Course	69	
24	Principles of Genetics	AU-GPBR-211	3(2+1)	II-I	Genetics and Plant Breeding	Core Course	70	
25	Crop Production Technology-I (Kharif crops)	AU-AGRO-201	3(2+1)	II-I	Agronomy	Core Course	70	
26	Production Technology of Fruit and Plantation crops	AU-HORT-281	2(1+1)	II-I	Horticulture	Core Course	71	
27	Fundamentals of Extension Education	AU-AEXT-292	2(1+1)	II-I	Extension Education	Core Course	73	
28	Problematic Soils and their management	AU-SSAC-221	2(1+1)	II-I	Soil Science	Core Course	84	Semester change
29	Principles and Practices of Natural Farming	AU-AGRO-202	2(1+1)	II-I	Agronomy	Core Course	76	
30	Insect Ecology & Concepts of Integrated pest Management	AU-ENTO-231	2(1+1)	II-I	Entomology	Core Course		New Course Added
		TOTAL	**23(11+12)**	**35 Hours**				
***1-Hour Theory, *2-Hour Practicals**								

S.No	Course Title	Proposed Course Number	Credit Hours T+P	Semester	Department	Course Category	Page No.	Remarks
31	Skill Enhancement Course-VI*	AU-SEC-VI	2(0+2)	II-II		Skill Enhancement course	127	
32	Agricultural Informatics and Artificial Intelligence	AU-STAM-202	3(2+1)	II-II	Agricultural Statistics	Common Course	78	
33	Production Technology of Vegetables and Spices	AU-HORT-282	2(1+1)	II-II	Horticulture	Core Course	79	
34	Principles of Agricultural Economics and Farm Management	AU-AECO-241	3(2+1)	II-II	Agricultural Economics	Core Course	80	
35	Crop Production Technology-II (Rabi Crops)	AU-AGRO-203	2(1+1)	II-II	Agronomy	Core Course	81	
36	Farm Machinery and power	AU-AENG-251	2(1+1)	II-II	Agricultural Engineering	Core Course	82	
37	Water Management	AU-AGRO-204	2(1+1)	II-II	Agronomy	Core Course	83	
38	Fundamentals of Nematology	AU-ENTO-232	2(1+1)	II-I	Entomology	Core Course	75	Semester change
39	Basics of Plant Breeding	AU-GPBR-212	3(2+1)	II-II	Genetics and Plant Breeding	Core Course	85	
40	Principles of Plant Pathology	AU-PATH-272	2(1+1)	II-II	Plant pathology	Core Course	NEW	New Course Added
		TOTAL	**23(12+11)**	**34 Hours**				

***1-Hour Theory, *2-Hour Practicals**

S.No	Course Title	Proposed Course Number	Credit Hours T+P	Semester	Department	Course Category	Page No.	Remarks
41	Agricultural Marketing and Trade	AU-AECO-341	3(2+1)	III-I	Agricultural Economics	Common Course	86	
42	Introduction to Agro-meteorology	AU-AGMT-301	2(1+1)	III-I	Agronomy	Core Course	87	
43	Fundamentals of Crop Physiology	AU-CPHY-361	3(2+1)	III-I	Crop Physiology	Core Course	88	
44	Insect pest management in Field Crops	AU-ENTO-331	2(1+1)	III-I	Entomology	Core Course	90	Pest Management in crops & stored grains 3(2+1)-Modified to 2(1+1)
45	Diseases of Field Crops & their Management	AU-PATH-371	2(1+1)	III-I	Plant Pathology	Core Course	90	Diseases of Field & Horticultural crops and their management 3(2+1) – Modified to 2(1+1)
46	Crop Improvement (Kharif crops-I)	AU-GPBR-311	2(1+1)	III-I	Genetics and Plant Breeding	Core Course	92	
47	Weed Management	AU-AGRO-301	2(1+1)	III-I	Agronomy	Core Course	93	
48	Ornamentals Crops, MAPs & Land Scaping		**[2(1+1)]**		Horticulture	Core Course	94	Course DELETED
49	Essentials of Plant Biochemistry	AU-BICM-301	2(1+1)	III-I	Biochemistry		103	Semester Change
50	Introductory Agro forestry	AU-AGRO-302	2(1+1)	III-I	Agronomy	Core Course	95	
		TOTAL	**20(11+9)**	**29 Hours**				
	***1-Hour Theory, *2-Hour Practicals**							

S.No	Course Title	Proposed Course Number	Credit Hours T+P	Semester	Department	Course Category	Page No.	Remarks
51	Fundamentals of Agri Biotechnology	AU-GPBR-312	3(2+1)	III-II	Genetics and Plant Breeding	Core Course	96	
52	Basic and applied Agril Statistics	AU-STAM-301	3(2+1)	III-II	Agricultural Statistics	Core Course	97	
53	Crop Improvement (Rabi crops)-II	AU-GPBR-313	2(1+1)	III-II	Genetics and Plant Breeding	Core Course	98	
54	Renewable energy in Agriculture and Allied Sector	AU-AENG-351	2(1+1)	III-II	Agricultural Engineering	Core Course	99	
55	Dryland Agriculture/ Rainfed agriculture and watershed management	AU-AGRO-303	2(1+1)	III-II	Agronomy	Core Course	100	
56	Diseases of Horticultural crops & their Management	AU-PATH-372	2(1+1)	III-II	Plant Pathology	Core Course	90	Diseases of Field & Horticultural Crops and their Management 3(2+1)-Modified to 2(1+1)
57	Agricultural Microbiology and Bioremediation	AU-PATH-373	2(1+1)	III-II	Agronomy	Core Course	101	Course title Modified (phyto to bio)
58	Agricultural Finance & Cooperation	AU-AECO-341	2(1+1)	III-II	Agricultural Economics	Core Course	102	
59	Fundamentals of Seed Science & Technology	AU-GPBR-314	2(1+1)	III-II	Genetics and Plant Breeding		104	
60	Pest Management in Horticultural crops and stored grains	AU-ENTO-332	2(1+1)	III-II	Entomology	Core Course	90	Pest Management in crops & stored grains 3(2+1)- Modified to 2(1+1)
		TOTAL	**22(12+10)**	**32 Hours**				
	***1-Hour Theory, *2-Hour Practicals**							

S.No	Course Title	Proposed Course Number	Credit Hours T+P	Semester	Department	Course Category	Page No.	Remarks
61	5 Elective Courses (Major and Minor) each of 4(3+1) credits for B.Sc. (Hons) Agriculture Degree		20	IV-I		Elective Courses	105	
62	For B.Sc. (Hons)Agriculture Degree Student READY: RAWE/Industrial Attachment/Experiential Learning / Hands-on Training /Project work/ Internship		20	IV-II		Students READY	127	
63	Online courses		10*			Online courses	128	
			171+10*					
	***1-Hour Theory, *2-Hour Practicals**							

Annexure -III (As Per the Moderation of Courses by the University)

Summary of credit distributions among different categories of courses (credit hours)

Semester	Core Courses (Major and minor)	Common Courses			Skill Enhancement courses (SEC)	Internship project/ Student READY	Total Credits	Non-gradial	Internship	Online course/ MOOC
		Multi-disciplinary courses (MDC)	Value Added courses (VAC)	Ability Enhancement courses (AEC)						
I	12	$3^{(3)}$		$1^{(4)} + 2^{(5)}$	4	--	22	$2^{(1)}$		
II	11	--	$3^{(6)}$	$1^{(4)} + 2^{(7)}$	4	--	21		$10^{(13)}$	
III	16	$3^{(8)}$	--	$2^{(9)}$	2	--	23			
IV	18	--	$3^{(10)}$	--	2	--	23		$10^{(14)}$	
V	17	$3^{(11)}$	--	--	--	--	20	$2^{(12)}$		$10^{(15)}$
VI	22	--	--	--	--	--	22			
VII	20*	--	--	--	--	--	20			
VIII		--	--	--	--	20	20			
Total	**116 (96+20*)**	**9**	**6**	**8**	**12**	**20**	**171**	**4**	**20**	**10**

***Elective Courses**

(1) Deeksharambh (Induction-cum-Foundation Course) of 2 credits (2 weeks duration)
(2) Remedial Course: Mathematics of 1 credit
(3) Farming based Livelihood systems
(4) NCC/NSS
(5) Communication Skills
(6) Environmental Studies and Disaster management
(7) Personality development
(8) Entrepreneurship Development and Business Management
(9) Physical Education, First Aid and Yoga Practices
(10) Agri informatics
(11) Agricultural Marketing & Trade
(12) Study tour (10-14 days)
(13) Only for those opting for an exit with UG-Certificate
(14) Only for those opting for an exit with UG-Diploma
(15) Online course: student will make his own planning and execution of online courses with intimation to Dean

List of Skill Enhancement Courses (SEC)

S.No	Course Title	Total Credits	Page No.	Department	Supporting Department
1	Biofertilizer and plant based biopesticide production	2 (0+2)	127	Entomology	Pathology/Soil Science
2	Production technology of Bioagents (Microbial, parasitoids and predators)	2 (0+2)	127	Entomology	Pathology
3	Seed production and Testing Technology	2 (0+2)	127	Genetics and Plant Breeding	
4	Mushroom production technology	2 (0+2)	127	Plant pathology	
5	Soil, Plant and Water testing	2 (0+2)	128	Soil science	
6	Post-harvest Processing Technology	2 (0+2)	128	Agricultural Engineering	Horticulture
7	Beneficial Insect Farming	2 (0+2)	128	Entomology	
8	Plantation crop Production and Processing	2 (0+2)	128	Horticulture	
9	Poultry Production Technology	2 (0+2)	128	Animal Husbandry	
10	Piggery Production Technology	2 (0+2)	128	Animal Husbandry	
11	Commercial Horticulture	2 (0+2)	128	Horticulture	
12	Floriculture and Landscaping	2 (0+2)	128	Horticulture	
13	Food Processing	2 (0+2)	128	Agricultural Engineering	Horticulture
14	Agricultural Waste Management	2 (0+2)	128	Agronomy	
15	Organic Production Technology	2 (0+2)	128	Agronomy	
16	Commercial Sericulture	2 (0+2)	128	Entomology	
17	Video production	2 (0+2)	128	Agricultural Extension	

List of Elective Courses (EC)

S.No	Course Title	Total Credits	Page No.	Department	Supporting Department
1	Agri-Business Management	4(3+1)	105	Agricultural Economics	
2	Management of Natural Resources	4(3+1)	107	Soil Science	Agricultural Engineering
3	Agrochemicals	4(3+1)	108	Soil Science	Plant Pathology/ Entomology
4	Agricultural Journalism	4(3+1)	109	Extension Education	
5	Landscaping	4(3+1)	110	Horticulture	
6	Commercial Plant Breeding	4(3+1)	111	Genetics and Plant Breeding	
7	Food safety and standards	4(3+1)	112	Biochemistry	
8	Bioformulation and Nano formulation	4(3+1)	113	Entomology	Pathology/ Soil Science
9	Biopesticides and Biofertilizers	4(3+1)	114	Soil Science	Entomology
10	System Simulation and Agroadvisory	4(3+1)	115	Agronomy	
11	Hi-tech Horticulture	4(3+1)	116	Horticulture	
12	protected Cultivation	4(3+1)	117	Horticulture	
13	Climate Resilient Agriculture	4(3+1)	118	Agronomy	Crop Physiology
14	Biotechnology of crop Improvement	4(3+1)	119	Genetics and Plant Breeding	
15	Geoinformatics and Remote Sensing, Precision Farming	4(3+1)	120	Soil Science	Agronomy
16	Micro-Propagation Technologies	4(3+1)	122	Genetics and Plant Breeding	
17	Commercial Seed Production	4(3+1)	122	Genetics and Plant Breeding	
18	Principles and Practices of Organic Farming/ Conservation Agriculture	4(3+1)	124	Agronomy	
19	Food Science and Nutrition	4(3+1)	125	Biochemistry	
20	Post-harvest technology and value addition	4(3+1)	126	Horticulture	Agricultural Engineering
21	Ornamental Crops, MAPs & Land scaping	4(3+1)	94	Horticulture	

1st MEETING OF THE BOARD OF STUDIES FOR FACULTY OF AGRICULTURE

NOTE ON ITEM NO. (2) IN THE AGENDA

Sub: ANNAMACHARYA UNIVERSITY – Agriculture Science- Academic Rules and Regulations of Four Year B.Sc. (Hons) Agriculture Regular Degree Programme for the student batches admitted from Academic Year 2024-25.

****

It is to submit that, the Academic Rules and Regulations of Four Year B.Sc. (Hons) Agriculture Regular Degree Programme applicable for the Student Batches admitted for the Academic Year 2024-25 are framed and are herewith placed before the Board of Studies for Discussion and decision thereon.

DEAN

VISION AND MISSION OF COLLEGE OF AGRICULTURE, ANNAMACHARYA UNIVERSITY

VISION

To become a leading Centre of Excellence in Education and Research in Agriculture, addressing the global needs of both the industry and society.

MISSION

- To educate and empower future leaders in agriculture through innovative teaching, research excellence and community engagement
- To empower rural communities and transform agriculture through cutting-edge research, inclusive education and community-driven solutions.
- To foster innovation and resilience in agriculture by integrating modern technologies, traditional wisdom and interdisciplinary approaches.

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1. PREAMBLE

Annamacharya University, is a private University, established under the brownfield category as per the Andhra Pradesh Private Universities (Establishment and Regulation) Act of 2016 (Act No. 3 of 2016), subsequently amended by Act No. 2 of 2024,as published in the Extraordinary Gazette of Govt. of Andhra Pradesh via Gazette Notification G.O.Ms. No. 13 dated 13.03.2024. The University Grants Commission (UGC) has included it in the list of UGC-listed Universities vide letter no. xxx dated xx.08.2024.

Annamacharya University, Rajampet, relentlessly aims to achieve academic excellence by implementing new initiatives in teaching-learning and evaluation processes. Based on the directions of the Indian Council of Agricultural Research (ICAR), New Delhi and Government of Andhra Pradesh, the university has adopted the ICAR model curriculum with minor modifications to match the needs, expectations and skill sets of students in the state, in the undergraduate program offered from the academic year 2024-25.

Annamacharya University is promoting enhanced learning abilities through the integration of various skills into the curriculum, including (a) Critical Thinking, (b) Problem Solving, (c) Analytical Reasoning, (d) Scientific Reasoning, (e) Reflective Thinking and (f) Design Thinking etc.,

Objectives:

The objectives of offering the B.Sc. (Hons.) Agriculture program are:

1. Equip students with a comprehensive understanding of agricultural sciences and skills to compete in the global agricultural sector, addressing emerging trends and challenges in food systems and agri-business.
2. Encourage students to work with rural and farming communities, promoting sustainable development and transferring knowledge to improve livelihoods.

Academic Council:

The academic council plays a pivotal role in maintaining and enhancing the academic standards and quality of education. The academic council coordinates and exercises general supervision over the academic policies of the university.

Board of Studies (BoS):

College of Agriculture, Annamacharya University will have a Board of Studies common to the UG, PG, and Doctoral programs offered by the Faculty of Agriculture. The Dean of the College of Agriculture will serve as the Chairman of the Board of Studies. The

Board of Studies has been constituted as per the guidelines of the university statutes. The rules, regulations, curriculum, syllabus, and other academic matters shall be approved by the Board of Studies before being placed in the Academic Council and subsequently the Board of Management.

Office of the Dean, Academics:

The office of the Dean, Academics, is responsible for the implementation of the decisions taken on academic matters by the Academic Council. The office:

- Receives, processes, and maintains all records relating to the programs, including curricula, courses offered, academic calendar, registration, assessments and grades.
- Disseminates information pertaining to all academic matters, issues necessary memoranda/orders and acts as a channel of communication among the students, instructors and departments.
- Provides information about various academic programs, rules and regulations to students.

2. REGULATIONS COMMENCEMENT

- The regulations are quite comprehensive and include definitions of key terms, semester system, credit system, grading system and other relevant details.
- The regulations detailed herein shall apply to all the regular under-graduate programmes offered by the College of Agriculture, Annamacharya University.
- The regulations shall be applicable and come into force to the student batches admitted from the academic year 2024-25.
- The University may revise, amend or change the regulations, scheme of examinations and syllabi, from time to time, if found necessary and on approval from the Academic Council of the University, keeping the recommendations of the Board of Studies (BoS) in view.
- Any or all such amendments shall be effective from such date and to such batches of students including those already undergoing the programme, as may be approved through Academic Council of the University.

These regulations shall be called AU24, College of Agriculture Regulations.

3. ELIGIBILITY FOR ADMISSION

3.1 Admission into B.Sc. (Hons.) Agriculture Under Graduation Programme (Regular)

The eligibility criteria for admission into B.Sc. (Hons.) Agriculture undergraduate programme offered at Annamacharya University shall be as prescribed by Statutes and Ordinances of the University, ICAR and the Government of Andhra Pradesh. The criteria are given below:

- The candidate shall be an Indian National / NRI.
- The candidate should have completed 16 years of age as on 31st December of the academic year for which the admissions are being conducted.
- The candidate should have passed the qualifying examination (10+2) or equivalent as on the date of admission, recognized by the Board of Intermediate Education, Govt. of Andhra Pradesh with Physics, Chemistry and Biology as optional courses or diploma in agriculture or the ranks obtained in the Annamacharya University common entrance test/AP EAPCET/ ICAR central or state level tests or any other test prescribed by the University.

3.2 Authority for Admission:

Decision of the Director, Admissions is final in any matter related to admission to the B.Sc. (Hons.) Agriculture programme.

3.3 Revoking / Cancellation of Admission:

All students admitted provisionally must submit copies of their original mark sheets, provisional certificates, and any other documents required by the Director of Admissions by the last date specified in the Academic Calendar of Annamacharya University. The Registrar, based on the recommendation of the Director of Admissions, may cancel the admission of any student who fails to submit the prescribed documents by the specified dateor does not meet other stipulated requirements. Additionally, the Registrar may cancel the admission later if it is discovered that the student provided false information, suppressed information, misrepresented facts, or forged documents while seeking admission or thereafter and report the matter to the Vice Chancellor.

4. MEDIUM OF INSTRUCTION

The medium of instruction shall be **English** for all the courses including their content delivery and examinations, seminars, presentations and project evaluation as prescribed in the programme curriculum.

5. B.Sc. (Hons.) Agriculture PROGRAMME STRUCTURE

The programme structure is in line with the guidelines suggested by the Indian Council of Agricultural Research (ICAR), New Delhi.

Semester Scheme

- The B.Sc. (Hons.) Agriculture programme offered at Annamacharya University follows **semester scheme** pattern.
- The duration of B.Sc. (Hons.) Agriculture Programme shall be of **4 academic years.**
- Each academic year shall have **2 semesters** i.e., odd and even semesters and shall be counted as I Year I Semester, I Year II Semester, and II Year I Semester and so on up to IV Year II semester.
- Each semester shall have a minimum duration of 110 working days consisting of 95 instructional days and 15 examination days except during the year of admission.
- Each semester is so structured to provide credits totalling to **181** credits for the entire B.Sc. (Hons.) Agriculture Programme.
- Each semester shall have **Continuous Internal Evaluation (CIE)** and **Semester End Examination (SEE)** for both Theory and Practical courses.
- Each student is required to secure a total of **181** credits with a **CGPA ≥ 5** for the completion of the UG programme and the award of the B.Sc. (Hons.) Agriculture Degree.

A student after securing admission into a 4-year B.Sc. (Hons.) Agriculture Programme at Annamacharya University shall pursue and acquire the B.Sc. (Hons.) Agriculture degree in a minimum period of four academic years i.e., 8 semesters and a maximum period of seven academic years i.e., 14 semesters starting from the date of commencement of I year I semester, failing which the student shall forfeit the seat in B.Sc. (Hons.) Agriculture Programme.

6. PROGRAMME OF STUDY AND CODE

S.No	Name of the Program	Programme Code
1	B.Sc. (Hons) Agriculture	AGR

7. CREDIT STRUCTURE

Credit: A credit is a unit by which the course work is measured. It determines the number of hours of instructions required per week. One credit is equivalent to one hour of teaching (Lecture/Tutorial) or two hours of practical work/field work/project per week.

Academic Year: Two consecutive (one odd + one even) semesters constitute one academic year.

Courses, Credits and syllabi:

The details of the courses, credits and syllabi of the undergraduate courses shall be as prescribed by the ICAR in its sixth Dean Committee, which is adopted in ANGRAU in its 113th Academic Council meeting dated 08.10.2024 and approved by the BoS and Academic Council from time to time.

8. EXAMINATION AND EVALUATION PROCESS

(a) The evaluation of the student in a course shall be based on his/her performance in various kinds of examinations, records, classwork and other types of exercises and grading to be followed with Grade point average (GPA) system.

(i) The detailed course outlines in each course shall be prepared by the concerned teachers in consultation with the Dean which will be made available to the students during the first week of the semester. A schedule of the mid-term examinations of the academic programme shall be prepared by the Dean and notified to the students at the beginning of each semester.

(ii) There shall be one mid-semester examination to be conducted by the teacher offering the course after 50% of the working days are over in a semester.

(b) Answer scripts of mid-term examinations shall be evaluated by the concerned course teacher and shall be shown to the students. The students shall have the option to request theteacher for clarification of any doubts in scoring, provided that such clarification is requestedfor when the answer scripts are made available to them. This, shall not apply for Semester End Examinations.

(c) Ordinarily no condonation for absence of mid-semester examination shall be given. However, if a student is genuinely prevented from taking examination as in case of serious illness or accident or any other case, a special re-examination may be arranged by the concerned teacher in consultation with the Dean. This repeat examination shall be held within two weeks from the date of examinations so missed, and shall be a common examination for all such students.

Unless a student appears for the mid-term examination, he/she shall not be permitted to appear for the semester end theory and practical examinations in the course concerned. The regular mid-term examination and the special re-examination shall be conducted as per the time to be fixed by the Dean.

The performance of a student in each semester shall be evaluated course-wise with a maximum of 100 marks for both Theory and Practical Course. The following pattern of examination is recommended.

	External theory	**Internal theory (Mid-term)**	**Quiz / progressive assessment**	**Final Practicals**	**Total**
For courses having both theory and practical components	40%	20%	20%	20%	100%
For courses with theory only	50%	30%	20%	-	100%
Courses with practical only	-	30%	20%	50% (Internal)	100%

For the external theory examinations, the question paper will be obtained from external experts. The dean will ensure due coverage of the syllabus withthe provision of moderation, if necessary. Paper evaluation to be done by a faculty other than the course instructor(s).

The external theory examinations should be of 2 to 2.5 hours duration and the mid-term examinations should be normally of 1-hour duration. The format of assessment and duration of quizzes/ progressive assessment duration will depend upon the course teacher.

Internal practical examination to be conducted by the course instructor and one faculty nominated by the Dean.

The evaluation of the skill enhancement courses will be done as courses with practical only. Usually for any subject, there will be two quizzes within the semester, one before the midterm and one after. There will be provision of corrections in between i.e., the students scoring lower than 50% marks in any one quiz can opt for appearing for a third quiz to improve their grades. The assessment of the students through quizzes should focus on their critical thinking and creativity rather than rote reading.

The quiz and progressive assessment can also be considered in the form of group assignments (which should encourage creativity, critical thinking and problem-solving attitude).

The evaluation of internship will be done both by the parent institute and the host industry/ organization. It should be 50% weightage for each. The student shall submit a report to the parent institute and present the learnings before the other students and faculty after the internship programme. The format of evaluation may be developed by the parent institute.

The online/MOOC courses, successfully completed by the student, will be indicated in the transcript with 'Satisfactory' remark.

When students take deficiency course(s), they will be assessed as 'Satisfactory' or 'Un-satisfactory' without any grade points.

If a student passes in a subject in a second attempt, for calculation of CGPA, the grade point for the subject in the second attempt will only be considered. The final CGPA will be named as overall grade point average (OGPA), which will be mentioned in the final transcript of the students.

9. Academic Bank of Credits (ABC)

The University has implemented Academic Bank of Credits (ABC) to promote flexibility in curriculum as per NEP 2020 to

- Provide option of mobility for learners across the universities of their choice
- Provide options to gain credits through MOOCs from approved digital platforms.
- Facilitate award of certificate/diploma/degree in line with the accumulated credits in ABC
- Execute Multiple Entry and Exit system with credit count, credit transfer and credit acceptance from students' account.

10. Mentoring System (Advisory system):

The students on their admission shall be divided into convenient batches by the Dean of the college and each batch is assigned to one of the teachers who are designated as Mentors. Each student immediately after enrolment fills up all the registration cards with the guidance of his/her mentor. Among other things, the mentor shall help the students in planning the programmes of their studies.

The mentor will establish and foster close personal relationship with students assigned to him/her during their entire stay in the college by having periodical meetings either with

the entire batch of students or with each individual student as often as is considered necessary in an effort to know their problems, review their study programmes and take such remedial actions as may be necessary in consultation with the teachers concerned and the Dean.

The mentor will maintain a record containing particulars of previous history of the student, courses registered and examinations appeared and grades obtained in each course in each semester.

11. Dropping: Within four weeks after the commencement of the semester, the student may, in consultation with his/her faculty Mentor, drop one or more courses. The dropped courses are not recorded in the grade card.

12. Attendance Requirements and Detention Policy`

- A student shall maintain a minimum required attendance of 75% in each subject in a semester.
- Shortage of attendance up to 10% i.e., attendance between 65% to 75% in aggregate,may be condoned by the University Academic Committee based on the rulesprescribed by the Academic Council of the University from time to time.
- A stipulated fee shall be payable towards condonation of shortage of attendance.
- Shortage of attendance below 65 % shall in no case be condoned.
- Students whose shortage of attendance is not condoned OR who have not paid the stipulated fee OR who have not cleared any other due to the University in any semester are not eligible to write the Semester End Examination (SEE).
- Students, who do not meet the minimum required attendance of 65% in a course, shall be detained in that course and their registration for that course shall stand cancelled.
- Students detained in a course shall seek re-admission into that course as and when offered.
- Academic regulations applicable to the semester in which re-admission into the course is sought shall be applicable to the re-admitted student.
- Any student against whom any disciplinary action is pending shall not be permitted to attend Semester End examination (SEE) in that semester.

13. Minimum Academic Requirements and Award of the Degree

The following academic requirements must be satisfied in addition to the attendance requirements mentioned in section 12.

13.1 Promotion Rules: The Rules of promotion are as follows.

A student shall be promoted from first year to second year if he/she fulfills the minimum attendance requirement as per university norms.

Promotion	From I Yr. to II Yr.	From II Yr. to III Yr.	From III Yr. to IV Yr.
Condition to be fulfilled	No restriction	All the courses of first year are to be passed and not more than 6 subjects as backlog courses up to II Yr. II Sem.	Total credits are to be cleared upto II year and not more than 3 subjects as backlog courses from III year.

A student who registers for all the specified courses as listed in the program and secures therequired number of 181 credits (with CGPA ≥ 5.0), within seven academic years from the dateof commencement of the first academic year, shall be declared to have 'qualified' for the awardof the B.Sc. (Honors) Agriculture degree.

13.2. Classification of Successful Candidates:

CGPA	Class	Condition
CGPA ≥ 8.00	First Class and Distinction	• Should pass all the courses in semester 'regular examinations' and should complete the program in 4 years of time. • Should not have been detained or prevented from writing the semester end examinations in any semester due to shortage of attendance or any other reason.
7.00 to <8.00	First Class	The Students who secure CGPA ≥8.00, but not fulfilling the conditions for "First Class and Distinction" shall be awarded 'First Class' only.
6.00 to <7.00	Second Class	
5.00 to <6.00	Pass Class	

- When a student is detained due to lack of credits/shortage of attendance he/she may be re-admitted when the course is offered after fulfillment of academic regulations. In such a case, he/she shall be in the present academic regulations into which he/she is readmitted.
- Students who fail to earn 181 credits as indicated in the course structure within seven academic years from the year of their admission shall forfeit their seat on the B.Sc. (Hons.) Agriculture Programme and their admission shall be cancelled.

14. Semester Grade Point Average (SGPA) and Cumulative Grade Point Average (CGPA):

As a measure of the student's performance, a 10-point Absolute Grading System using the following Letter Grades and corresponding percentage of marks shall be followed:

After each course is evaluated for 100 marks, the marks obtained in each course will be converted to a corresponding letter grade as given below, depending on the range in which the marks obtained by the student fall.

Structure of Grading of Academic Performance

Range in which the marks in the subject fall	**Grade**	**Grade points Assigned**
90 & above	S(Superior)	10
80 - 89	A(Excellent)	9
70 - 79	B (VeryGood)	8
60 - 69	C (Good)	7
50 - 59	D(Average)	6
<50	F (Fail)	0
Absent	Ab (Absent)	0

- A student obtaining Grade 'F' or Grade 'Ab' in a subject shall be considered failed and will be required to reappear for that subject when it is offered in the next supplementary examination.

- For non-credit audit courses, "Satisfactory" or "Unsatisfactory" shall be indicated instead of the letter grade and this will not be counted for the computation of SGPA/CGPA/Percentage.

14.1 Computation of Semester Grade Point Average (SGPA) and Cumulative Grade Point Average (CGPA):

The Semester Grade Point Average (SGPA) is the ratio of sum of the product of the number of credits with the grade point scored by a student in all the courses taken by a student and the sum of the number of credits of all the courses undergone by a student, i.e.

$$\text{SGPA} = \frac{\sum(\text{Grade point} \times \text{credit hours})_{\text{in one semester}}}{\text{Total credit hours in the semester}}$$

The Cumulative Grade Point Average (CGPA) will be computed in the same manner considering all the courses undergone by a student over all the semesters of a program, i.e.,

$$\text{CGPA} = \frac{\sum(\text{Grade point} \times \text{credit hours})_{\text{until last semester}}}{\text{Total credit hours until last semester}}$$

Both SGPA and CGPA shall be rounded off to 2 decimal points and reported in the transcripts. While computing the SGPA the subjects in which the student is awarded Zero grade points will also be included.

If a student passes in a subject in a second attempt, for calculation of CGPA, the grade point for the subject in the second attempt will only be considered. The final CGPA will benamed as overall grade point average (OGPA), which will be mentioned in the final transcript of the students

Grade Point: It is a numerical weight allotted to each letter grade on a 10-point scale.

Letter Grade: It is an index of the performance of students in a said course. Grades are denoted by the letters S, A, B, C, D and F.

14.2 Conversion of SGPA into percentage

In case of a specific query by students/employers regarding Semester Grade Point Average (SGPA)/ Cumulative Grade Point Average (CGPA) into percentage, the following formulae will be adopted for notional conversion of CGPA into percentage.

CGPA to Percentage conversion Formula: (CGPA – 0.5) x 10.

15. Transcripts

After successful completion of the entire programme of study, a transcript containing performance of all academic years will be issued as a final record. Duplicate transcripts will also be issued, if required, after payment of requisite fee. Partial transcript will also be issued up to any point of study to a student on request.

16. Transitory Regulations

Discontinued, detained, or failed candidates are eligible for re-admission as and whenthe semester is offered after fulfilment of academic regulations. Candidates who have been detained for want of attendance or not fulfilled academic requirements or who have failed after having undergone the course in earlier regulations or have discontinued and wish to continue the course are eligible for admission into the unfinished semester from the date of commencement of class work with the same or equivalent subjects as and when subjects are offered, subject to Section 2 and they will follow the academic regulations into which they are re-admitted.

Candidates who are permitted to avail gap year shall be eligible for re-joining into the succeeding year of their B.Sc. (Hons.) Agriculture from the date of commencement of class work, subject to Section 2 and they will follow the academic regulations into which they are re-admitted.

17. Minimum Instruction Days for a Semester

The minimum instruction days for each semester shall be (16 weeks) 95 days.

18. Student transfers

Student transfers shall be as per the statutes and ordinances of the Annamacharya University and guidelines issued by the Government of Andhra Pradesh from time to time.

19. Announcement of results

Results review committee comprising of Vice Chancellor, Registrar, Dean Academics, Chairman of various boards of studies, Controller of Examinations and Deputy Controller of Examinations will monitor the results and gives the permission for announcement of results.

- After review meeting results are loaded into university website from which students can access their results by entering Hall Ticket number. And also results in form of hard copy are available with the Dean.

20. General Instructions:

- The academic regulations should be read as a whole for purpose of any interpretation.
- Malpractices rules-nature and punishments are appended.
- Where the words "he", "him", "his", occur in the regulations, they also include "she", "her", "hers", respectively.
- In the case of any doubt or ambiguity in the interpretation of the above rules, the decision of the Vice Chancellor / Registrar / Governing body is final.
- Any legal issues are to be resolved in Rajampet Jurisdiction.
- The University may change or amend the academic regulations or syllabi at any time and the changes or amendments shall be made applicable to all the students on rolls with effect from the dates notified by the University.

ANNEXURE – I

Norms and Procedures for Challenge Evaluation/ Revaluation/ Recounting Revaluation / Recounting:

- The students who wish to apply for Revaluation/Recounting of his/her answer-book(s)must submit his/her application on the prescribed form together with the requisite fee to theController of Examinations before expiry of 15 days excluding the date of the declaration ofhis/her examination result. Application not received in the prescribed form or by the due date or without the requisite fee shall be rejected.
- After Recounting / Revaluation, records are updated with changes if any and the student will be issued a revised memorandum of marks. If there are no changes, the studentshall be intimated the same through a notice.
- No Revaluation / Recounting for Laboratory Examination.
- The students are informed to be more careful in furnishing the information while applying for Recounting / Revaluation. The applications with insufficient information will be summarily rejected and the student has to forfeit the amount paid in this connection.

Challenge valuation:

- Applications are invited from the students who wish to apply for Challenge Valuationin the subjects of the B. Sc. (Hons.) Agriculture Regular and Supplementary examinations.
- The student will apply for Challenge valuation in a specified application and should be routed through the HoD concerned.
- The students who have applied for the revaluation for a paper(s) of an examination areonly eligible for the Challenge Valuation of that paper(s) of that examination.
- A Fee of Rs. 10000/- (Ten Thousand Rupees Only) for each paper is to be paid withinthe last date for challenge valuation.
- A Xerox copy of the answer script will be provided to the student on receipt of the payment of fee and date and time of the valuation will be informed to the student, so that valuation will be done in the presence of the teacher attended in support of the student nominated by the HoD concerned.
- The HoD concerned will nominate a teacher of the concerned subject to observe the valuation in support of the student. This will be done at the request of the student.
- If the marks obtained in the challenge valuation are more than or equal to 15% of the maximum marks with respect to the original marks obtained in the first valuation, then the marks obtained in the Challenge valuation will be awarded to the student and the Universitywill pay back Rs 9,000 (Nine thousand rupees only) to the student. If the student status changes from fail to pass, an amount of Rs. 5000 will be refunded to the student. Otherwise,there will not be any change in the result of the student and original marks will be retained and the student will forfeit the fee paid.
- No Challenge valuation for Laboratory Examination

ANNEXURE – II

Disciplinary Action against Students – Provisions

1. Student's behavior and discipline will be assessed and will receive the same attention as the academic work. Discipline includes the observance of good conduct and orderly behavior by the students of the University.

2. All students pursuing a Program at the University shall observe code of conduct and maintain discipline and must consider it as a duty to behave decently at all places.

3. Every student shall always carry the Identity card issued by the University. Every student shall have to produce or surrender the identity card, as and when required by the proctorial staff, teaching and library staff and the officials of the university. The loss of the identity card, whenever it occurs, shall immediately be reported in writing to the Registrar.

4. Any violation of the code of conduct or breach of any rules and regulations of the University is construed as an act of indiscipline and shall make him / her liable for disciplinary action.

5. The following acts are treated as gross indiscipline.

a) Disobeying the teacher/officials or misbehaving in the class.

b) Quarrelling or fighting in the University campus or in the hostels amongst themselves, or indulging in any activity which amounts to ragging or harassment of other students.

c) Quarrelling or fighting with a University employee(s) or any other public utility functionaries in the campus.

d) Indecent behavior in the campus or outside causing inconvenience to others.

e) Visiting socially unacceptable websites, smoking or consuming liquor or banned substances like drugs etc.

f) Damage to the University property.

g) Indulging in acts of theft, forgery, stealing and misappropriation.

h) Any other activity that defames the University.

i) Use of mobile in the class/academic area.

j) Irregularity in attending classes, persistent idleness, negligence or indifference towards the work assigned.

k) Any other conduct which is considered to be unbecoming of student.

ANNEXURE – III

Rules for Students Conduct and Behavior in Campus and Outside

- The rules and regulations, academic calendar shall be provided to students.

• In general, Dean - Student Affairs will deal with the welfare and discipline of all students in the campus including Hostel and also outside the campus and will ensure maintenance of good conduct. He/she will be assisted by other members of faculty/ staff/ wardens as nominated.

- Conduct and Behavior:

a) Students should attend all their classes and strictly observe class timings. They should likewise carry out other out-door and extracurricular duties assigned to them. Their attendance and leave are governed by the regulations pertaining to them.

b) Students must give their undivided attention to their academic work and must be respectful to their teachers and supervisors.

c) Students must conduct themselves with due decorum in the classes, laboratories, library etc. and move in an orderly and disciplined manner in the campus.

d) Students should not indulge in abusive behavior/ violence of any kind with fellow students, teaching faculty and employees of the University within or outside the University. Violence by any student or group of students will lead to severe disciplinary action.

e) No meeting of the students other than those organized under the aegis of the various recognized students' activities shall be called without the prior permission in writing from the Dean, Student Affairs.

f) Neither meetings/functions within the University campus shall be organized nor any outsider address the students without the prior permission in writing from the Registrar.

g) No students shall use unfair means at any of the examinations and tests or attempt or threaten the staff to get undue advantage.

h) Students must pay all fees and other dues on specified dates. If they do not do so, they render themselves liable to penalties as in force from time to time.

i) Students must take good care of all University property. Any damage to University property shall be viewed as indiscipline. Such students, in addition to facing the disciplinary action, shall have to replace the damaged property and make good the losses

caused due to their action. Students must use the furniture and fittings with due care and must not deface buildings, roads, furniture and fittings etc. in any manner.

j) Students must handle the laboratory equipment, instruments and machinery with great care. Any damage or breakage of such equipment etc., due to improper use and negligent handling will have to be made good by the students concerned.

k) Ragging in any form is unlawful and strictly prohibited. If a student is found in ragging activity he/she shall be punished as per the Anti-Ragging Act.

l) The University shall have a zero-tolerance policy towards Ragging and shall lay down strict guidelines on the same as per policies of the UGC in vogue and in compliance to directions of Hon'ble Supreme Court.

m) Mobile/cellular phone shall be kept in silent mode during the classes and violation will lead to confiscation of the mobile phone.

n) All the students are required to observe the decorum in the dress code as prescribed by the University. Students not adhering to the prescribed dress code may be denied entry tothe University campus;

o) Smoking, consumption/possession of liquor, intoxicants, drugs, cigarettes, hookah etc., inside or outside the Campus is strictly prohibited. Any violation will invoke severe penalty including rustication from the Hostel/University.

- Policy to prevent Sexual Harassment:
- The University shall be committed to treating every employee and student with dignity and respect. It shall seek to create a work environment that is free from sexual harassment of any kind, whether verbal, physical or visual
- A policy shall be prescribed by the University to provide guidelines for prompt redressal of complaints related to sexual harassment which should be in full compliance with "The Sexual Harassment of Women at Workplace (Prevention, Prohibition &Redressal)" Act, 2013
- All references / complaints and redressal mechanism pertaining to any matter willbe handled within the ambit of the said Act and the Rules framed there under. Thepolicy so prescribed shall be communicated to all employees and students.

p) Grievance and Redressal Mechanisms:

The University shall constitute various Grievance and Redressal committees and its guidelines as specified by the statutory authorities of the University.

ANNEXURE - IV

Rules for Disciplinary Action for Malpractices / Improper Conduct in Examinations

Malpractices identified by squad or special invigilators or invigilators:

Punishments shall be given to the students as per the below guidelines. The case is to be referred to the malpractice committee.

Malpractice Committee

- Vice Chancellor, Chairman
- Registrar, Member
- Dean, Academics, Member
- Invigilator, Member
- Subject expert, Member
- Dean, College of Agriculture, Member

Note:

Whenever the performance of a student is cancelled in any subject/subjects due to Malpractice, he has to register for End Examinations in that subject/subjects consequently and has to fulfil all the norms required for the award of Degree.

	Nature of Malpractices/Improper conduct	**Punishment**
	If the candidate:	
1.(a)	Possesses or keeps accessible in examination hall, any paper, notebook, programmable calculators, Cell phones, pager, palm computers or any other form of material concerned with or related to the subject of the examination (theory or practical) in which he is appearing but has not made use of (material shall include any marks on the body of the candidate which can be used as an aid in the subject of the examination)	Expulsion from the examination hall and cancellation of the performance in that subject only.
1(b)	Gives assistance or guidance or receives it from any other candidate orally or by any other body language methods or communicates through cell phones with any candidate or persons in or outside the exam hall in respect of any matter.	Expulsion from the examination hall and cancellation of performance in that subject only of all the candidates involved. In case of an outsider, he will be handed over to the police and a case is registered against him.

2.	Has copied in the examination hall from any paper, book, programmable calculators, palm computers or any other form of material relevant to the subject of the examination (theory or practical) in which the candidate is appearing	Expulsion from the examination hall and cancellation of the performance in that subject and all other subjects the candidate has already appeared including practical examinations and project work and shall not be permitted to appear for the remaining examinations of the subjects of that semester/year. The Hall Ticket of the candidate is to be cancelled and sent to the Registrar, Annamacharya University.
3.	Impersonates any other candidate in connection with the examination.	The candidate who has impersonated shall be expelled from examination hall. The candidate is also debarred for four consecutivesemesters from class work and all University examinations. The continuation of the course by the candidate is subject to the academic regulations in connection with forfeiture of seat. The performance of the original candidate who has been impersonated, shall be cancelled in all the subjects of the examination (including practicals and project work) already appeared and shall not be allowed to appear for examinations of the remaining subjects of that semester/year. The candidate is also debarred for four consecutive semesters from class work and all University examinations, if his involvement is established. Otherwise, the candidate is debarred for two consecutive semesters from class work and all University examinations. The continuation of the course by the candidate is subject to the academic regulations in connection with forfeiture of seat. If the imposter is an outsider, he will be handed over to the police and a case is registered against him.
4.	Smuggles in the Answer book or additional sheet or takes out or arranges to send out the question paper during the examination or answer book or additional sheet, during or after the examination.	Expulsion from the examination hall and cancellation of performance in that subject and all the other subjects the candidate has already appeared including practical examinations and project work and shall not be permitted for the remaining examinations of the subjects of that semester/year. The

		candidate is also debarred for two consecutive semesters from class work and all University examinations. The continuation of the course by the candidate is subject to the academic regulations in connection with forfeiture of seat.
5.	Uses objectionable, abusive or offensive language in the answer paper or in letters to the examiners or writes to the examiner requesting him to award pass marks.	Cancellation of the performance in that subject only.
6.	Refuses to obey the orders of the Chief Superintendent/Assistant — Superintendent / any officer on duty or misbehaves or creates disturbance of any kind in and around the examination hall or organizes a walk out or instigates others to walk out, or threatens the officer-in charge or any person on duty in or outside the examination hall of any injury to his person or to any of his relations whether by words, either spoken or written or by signs or by visible representation, assaults the officer-in-charge, or any person on duty in or outside the examination hall or any of his relations, or indulges in any other act of misconduct or mischief which result in damage to or destruction of property in the examination hall or any part of the University campus or engages in any other act which in the opinion of the officer on duty amounts to use of unfair means or misconduct or has the tendency to disrupt the orderly conduct of the examination.	In case of students of the University, they shall be expelled from examination halls and cancellation of their performance in that subject and all other subjects the candidate(s) has (have) already appeared and shall not be permitted to appear for the remaining examinations of the subjects of that semester/year. If the candidate physically assaults the invigilator/officer-in-charge of the Examinations, then the candidate is also debarred and forfeits his/her seat. In case of outsiders, they will be handed over to the police and a police case is registered against them.
7.	Leaves the exam hall taking away answer script or intentionally tears of the script or any part thereof inside or outside the examination hall.	Expulsion from the examination hall and cancellation of performance in that subject and all the other subjects the candidate has already appeared including practical examinations and project work and shall not be permitted for the remaining examinations

		of the subjects of that semester/year. The candidate is also debarred for two consecutive semesters from class work and all University examinations. The continuation of the course by the candidate is subject to the academic regulations in connection with forfeiture of seat.
8.	Possess any lethal weapon or firearm in the examination hall.	Expulsion from the examination hall and cancellation of the performance in that subject and all other subjects the candidate has already appeared including practical examinations and project work and shall not be permitted for the remaining examinations of the subjects of that semester/year. The candidate is also debarred and forfeits the seat.
9.	If student of the university, who is not a candidate for the particular examination or any person not connected with the University indulges in any malpractice or improper conduct mentioned in clause 6 to 8.	Student of the university: expulsion from the examination hall and cancellation of the performance in that subject and all other subjects the candidate has already appeared including practical examinations and project work and shall not be permitted for the remaining examinations of the subjects of that semester/year. The candidate is also debarred and forfeits the seat. Person(s) who does not belong to the University: They will be handedover to police and, a police case will be registered against them.
10.	Comes in a drunken condition to the examination hall.	Expulsion from the examination hall and cancellation of the performance in that subject and all other subjects the candidate has already appeared including practical examinations and project work and shall not be permitted for the remaining examinations of the subjects of that semester/year.
11.	Copying detected on the basis of internal evidence, such as, during valuation or during special scrutiny.	Cancellation of the performance in thatsubject only or in that subject and all other subjects the candidate has appeared includingpractical examinations and project work of that semester / year examinations, depending on the recommendation of the committee.
12.	If any malpractice is detected which is not covered in the above clauses 1 to 11 shall be reported to the Malpractice Committee of the University for further action to award suitable punishment.	